

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 12:14 AM

**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 071 Const Calendar Day: 540 Date: 02-Mar-2011 Wednesday

Inspector Name: Iranmanesh, Abbas Title: Transportation Engineer

Inspection Type:

Shift Hours: Break: Over Time:

Federal ID:

Location:

Reviewer: Boal, Brian Approved Date: 10-Oct-13 Status: Approved

**04-0120F4  
04-SF-80-13.2/13.9  
Self-Anchored  
Suspension Bridge****Weather**

Temperature 7 AM 12 PM 4PM

Precipitation Condition

Working Day ☐ If no, explain:**Diary:**

Dispute

**Work description.**

Hinge K Grouting



The followings are the activities of the hinge K grouting performed by CONCO:

1. The water of the West and East line forms was drained at 7:00 A.M., proper action was taken to be refilled again.
2. The necessary equipments, the grout pump, and the bucket were brought into the site around 8:30; the grout pump was transferred to the deck despite of the blowing a high wind.
3. The set up for grouting was ready around 9:30, however it was postponed to the afternoon due to blowing a high wind. The CONCO crews took break at 11:30.
4. At 12:30 the wind was slowed down and the CONCO crews started the mixing of the first batch. Four batches of grout mix were made with two super sacks each time resulted to the following specifications:
  - a. First Mix:
    - 145 gallons (100+3+15+6+8.5+10+3) of water (96% of the water assigned, 151.2 gallons)
    - Efflux: 38 Second
    - Temperature: 72° F
    - First turn for 5 min. (65 rev/min), and 3 min. or less for the subsequent turns)
  - b. Second Mix:
    - 145 (120+5+20) gallons of water (96% of the water assigned, 151.2 gallons)
    - Efflux: 23 Second
    - Temperature: 65° F
    - First turn for 5 min. (65 rev/min), and 3 min. or less for the subsequent turns)
  - c. Third Mix:
    - 140 (120+5+15) gallons of water (93% of the water assigned, 151.2 gallons)
    - Efflux: 33 Second
    - Temperature: 64° F
    - First turn for 5 min. (65 rev/min), and 3 min. or less for the subsequent turns)
  - d. Fourth Mix:
    - 140 (120+13+7) gallons of water (93% of the water assigned, 151.2 gallons)
    - Efflux: 29 Second
    - Temperature: 70° F
    - First turn for 5 min. (65 rev/min), and 3 min. or less for the subsequent turns)

With respect to the volume of Hinge K formwork calculations, five super sacks of grout, which will result in 150 cubic feet, is expected to be adequate, however eight super sacks were used. About one super sack



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(30 cubic feet of grout) was wasted and about 20 cubic feet grout of the fourth mix was not used. As shown of the pictures after removing the top form at the East line a portion of the formwork was not filled by the grout and immediately it was filled separately by using a 55 lb sack. The work was completed around 5 P.M. and the cleaning continued until later lime.

### Labor and Equipment:

#### 1. CONCON crews:

- Gary Brandt
- Joe Qallbqos
- Norm Robinson
- Dino Del Monte
- Gary Pene
- Jasmin Gorinyac
- Kirby Rodriguez
- Jeronimo Henrriquez

#### 2. CONCON Equipments:

- Grout pump
- Bucket
- Two truck mixers with operators from Central

#### 3. ABF Equipments:

- Fork lift with operator
- LIEBHERR LR 1300 Crane with operator

### Attachment



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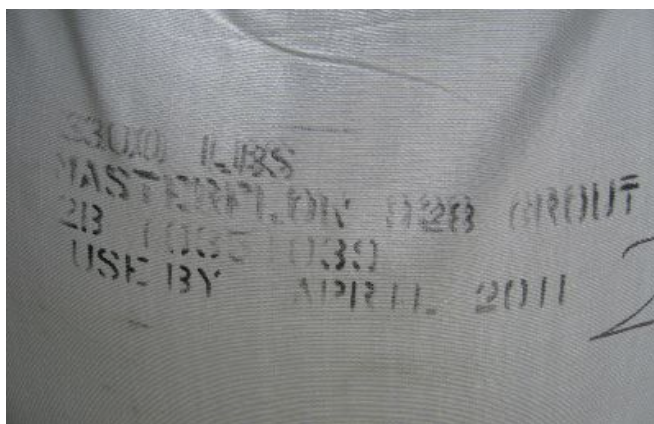
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